DEPARTMENT OF VETERANS AFFAIRS MEDICAL CENTER - WADE PARK 10701 EAST BLVD. CLEVELAND, OH. 44106

CHILLER PLANT GENERATOR & DISTRIBUTION UPGRADES

PROJECT NO. 541-11-108

Veterans Administration Medical Center



FIRE SUPPRESSION: Fully Sprinklered TYPE OF CONSTRUCTION: Type 2 - 000, 2B **BEARING WALLS:** 0 Hours STRUCTURAL COLUMNS: 0 Hours FLOOR - CEILING ASSEMBLIES: 0 Hours **ROOF - CEILING ASSEMBLIES:** 0 Hour INTERIOR NONBEARING WALLS:

0 Hour

FIRE SUPPRESSION: Fully Sprinklered TRAVEL DISTANCES: (LSC 18.2.6) Room Remote Point to Exit: 200' Exit Access door to Exit: TYPE OF CONSTRUCTION: (LSC A.8.2.1.2) Type 1 - 332, 1B STRUCTURAL COLUMNS: (LSC A.8.2.1.2) 3 Hours - Supporting more than 1 floor 2 Hours - Supporting one floor only FLOOR - CEILING ASSEMBLIES: (LSC A.8.2.1.2)

SHAFT ENCLOSURES (LSC 8.6.5) 4 Stories or more: 2 Hours Less than 4 stories: 1 Hour SMOKE BARRIERS: (LSC 18.3.7.4)

1 Hour

INTERIOR NONBEARING WALLS: (LSC A.8.2.1.2)

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FINAL CD SUBMISSION - FOR CONSTRUCTION April 6, 2012

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ELECTRICAL DETAILS

ELECTRICAL DETAILS

Fredrick, Fredrick & Heller Engineers, Inc.

Mechanical & Electrical Engineer 672 East Royalton Road, Broadview Heights, Ohio 44147

Perspectus Architecture LLC

Architect 13212 Shaker Square Suite 204 Cleveland, Ohio 44120

Barber & Hoffman, Inc.

Structural Engineer 1100 West 9th Street, Cleveland, Ohio 44113

CHILLED WATER PIPING

CHILLED WATER PIPING KEY PLAN SUB-BASEMENT PIPING PLAN

PARTIAL SUB-BASEMENT PIPING PLAN - NW AREA

PARTIAL SUB-BASEMENT PIPING PLAN - SW AREA

PARTIAL SUB-BASEMENT PIPING PLAN - SE AREA PARTIAL BASEMENT PIPING PLAN - SW AREA

PARTIAL PENTHOUSE PIPING PLAN DEMO

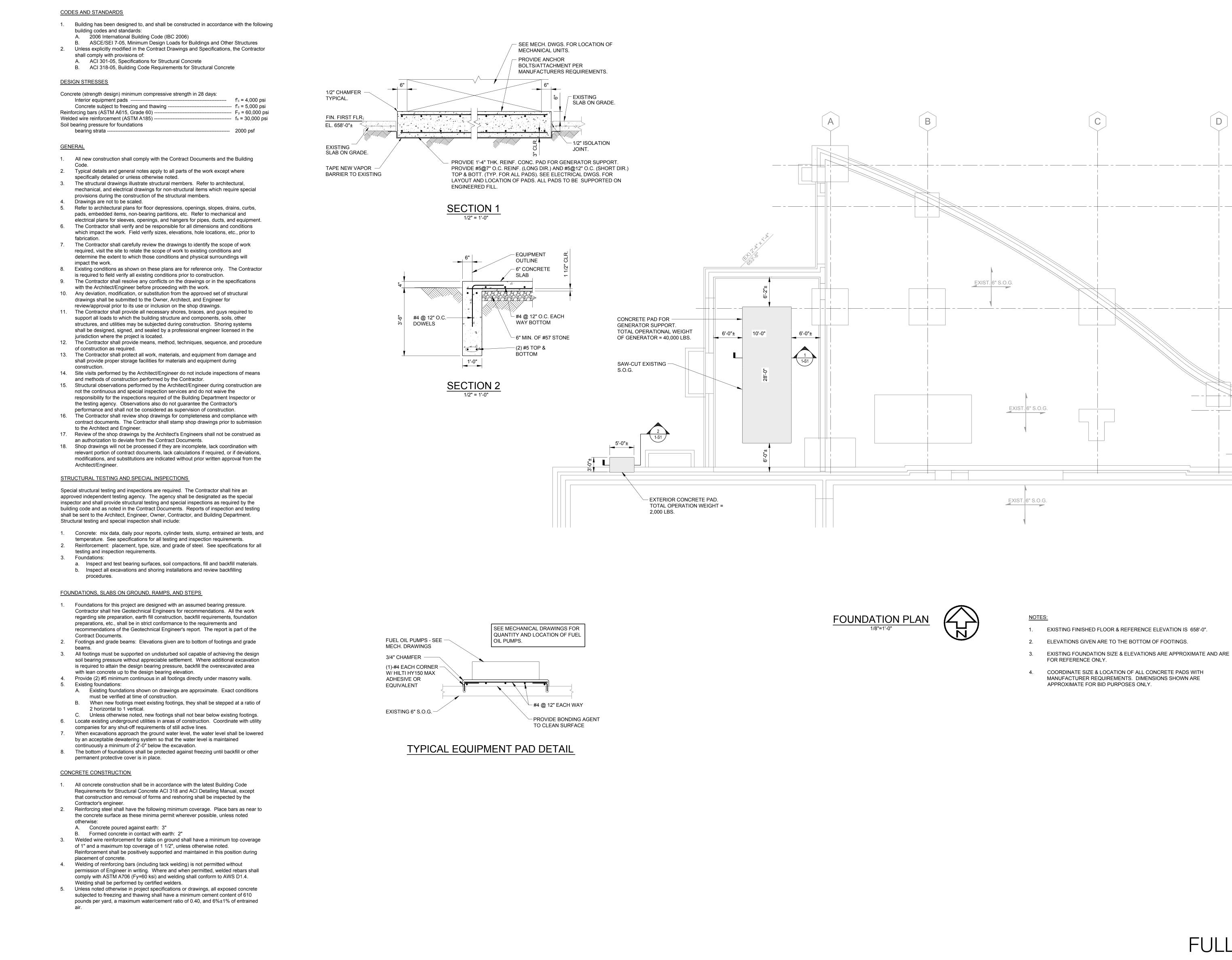
PARTIAL PENTHOUSE PIPING PLAN



APPROVALS APPROVALS DATE **APPROVALS** DATE DATE Project Number Drawing Title Office of 541-11-108 **COVER SHEET CHILLER PLANT Facilities GENERATOR & Building Number** DIRECTOR 00 CHIEF Planning and Construction FACILITY MANAGER **DISTRIBUTION UPGRADES** Management Drawing Number Approved: Division Chief ASSOCIATE DIRECTOR 00A (B) CHIEF, Occupational Health & Safety SHOP FOREMAN 138 **VAMC - WADE PARK** 1-X0 Drawn Checked Approved: Service Director DAD 04-06-2012 DAD Veterans Affairs CHIEF, IRM CHIEF, ENGINEERING 138

one eighth inch = one foot

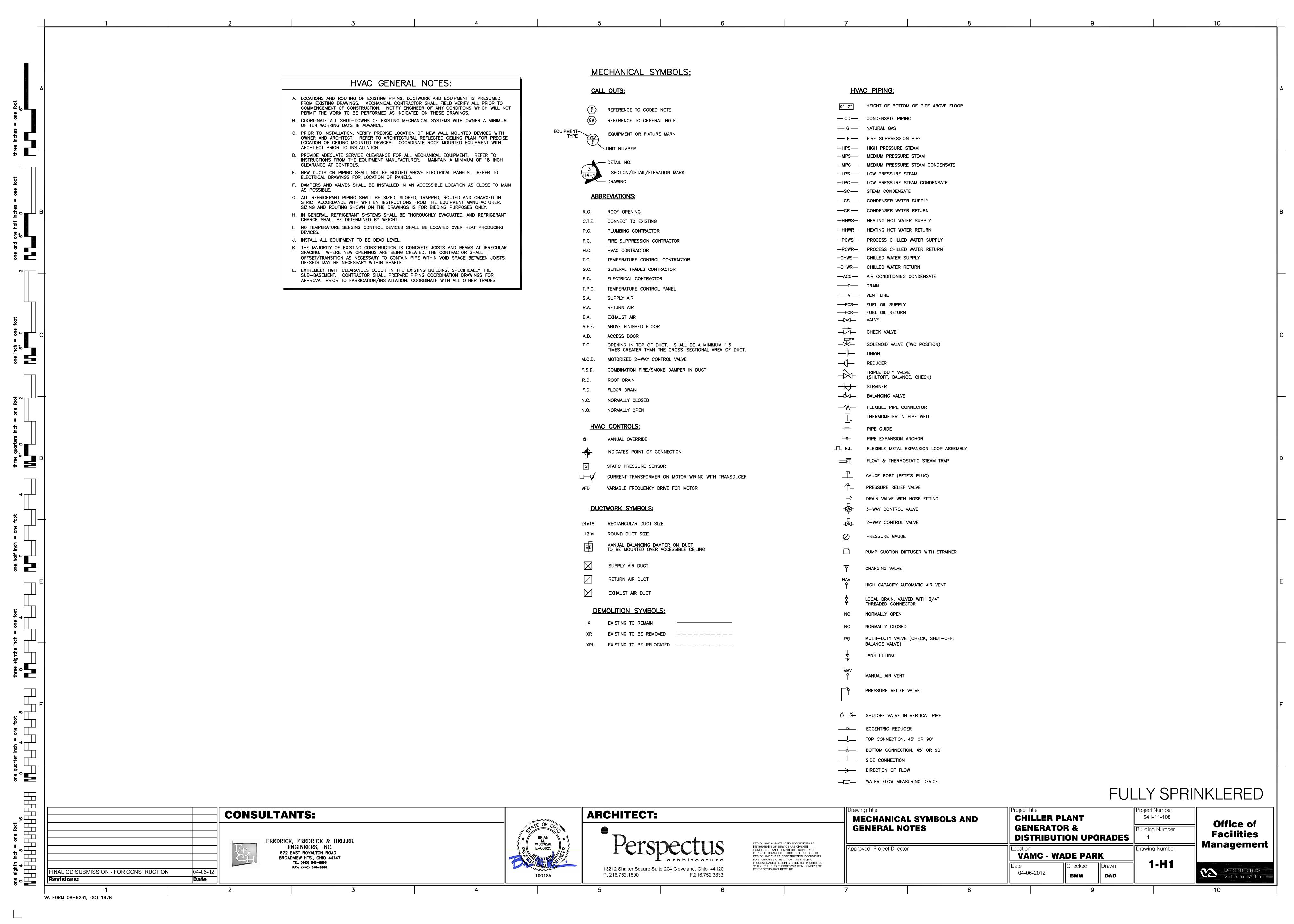
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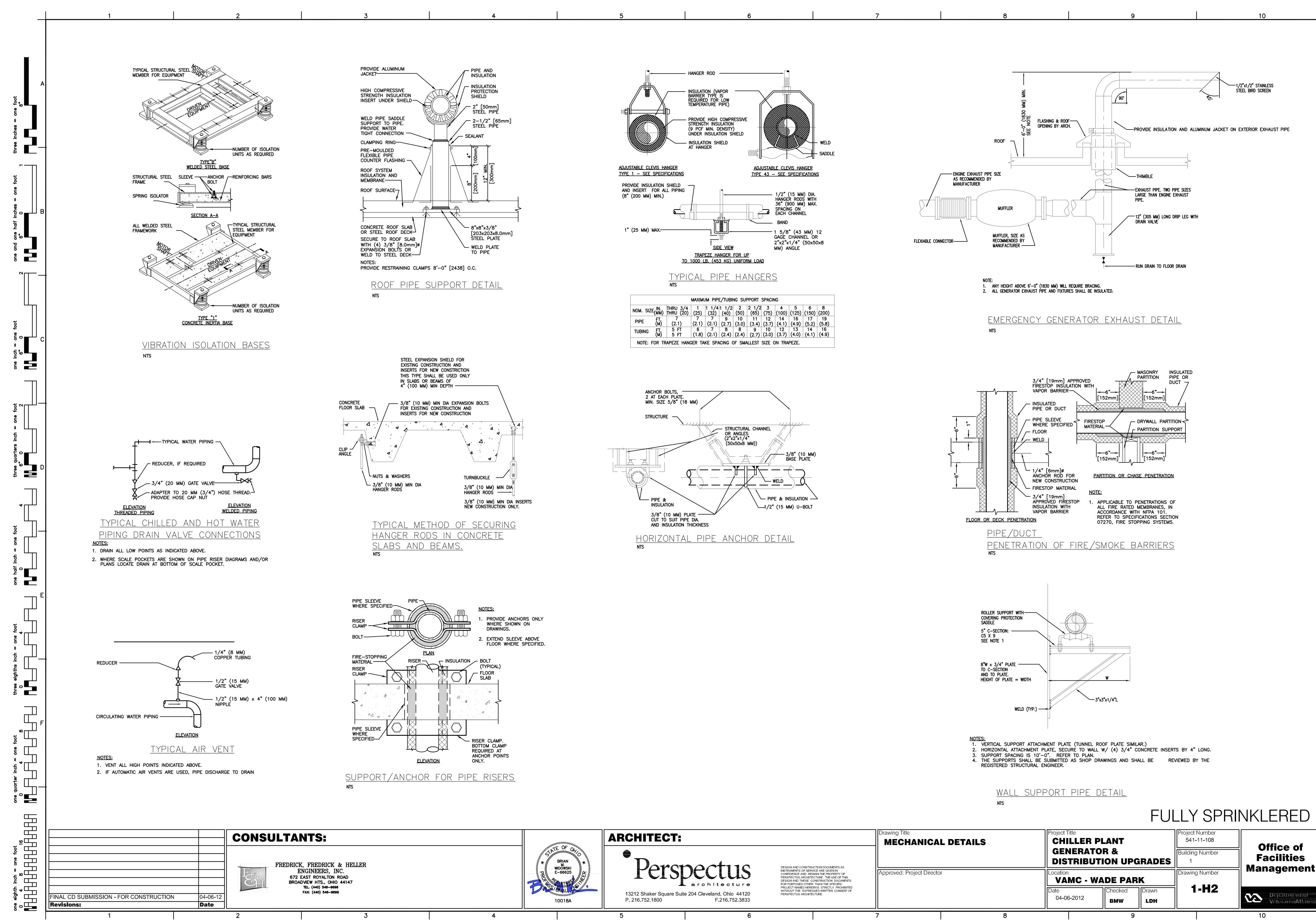


FULLY SPRINKLERED Drawing Title Project Title Project Number **CONSULTANTS: ARCHITECT: CHILLER PLANT** 541-11-108 TATE OF **FOUNDATION PLAN, SECTIONS** Office of & NOTES **GENERATOR &** Building Number **Facilities** HALIM DISTRIBUTION UPGRADES FREDRICK, FREDRICK & HELLER Management SAAB DESIGN AND CONSTRUCTION DOCUMENTS AS ENGINEERS, INC. INSTRUMENTS OF SERVICE ARE GIVEN IN
CONFIDENCE AND REMAIN THE PROPERTY OF Approved: Project Director BARBER & HOFFMAN, INC. 56513 Drawing Number 672 EAST ROYALTON ROAD PERSPECTUS ARCHITECTURE. THE USE OF THIS DESIGN AND THESE CONSTRUCTION DOCUMENTS **VAMC - WADE PARK** Consulting Engineers BROADVIEW HTS., OHIO 44147 FOR PURPOSES OTHER THAN THE SPECIFIC PROJECT NAMED HEREIN IS STRICTLY PROHIBITED 1-\$1 TEL. (440) 546-9696 WITHOUT THE EXPRESSED WRITTEN CONSENT OF PERSPECTUS ARCHITECTURE. Checked FAX: (440) 546-9699 1100 West 9th Street 13212 Shaker Square Suite 204 Cleveland, Ohio 44120 Department of Veterans Affairs FINAL CD SUBMISSION - FOR CONSTRUCTION 04-06-12 Cleveland, OH 44113-1003 04-06-2012 P. 216.752.1800 F.216.752.3833 JMC ETP 216-875-0100/ (F) 216-875-0111 BARBER & HOFFMAN, INC. Dwg. **Revisions:** Date barberhoffman.com

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WIRING DEVICES LIGHTING SYSTEM - LUMINAIRES **GENERAL NOTES** 1. ALL MOUNTING HEIGHTS ARE TO CENTER OF DEVICE UNLESS OTHERWISE NOTED. 20A-125V, HOSPITAL GRADE, GROUNDED DUPLEX RECEPTACLE, MOUNT AT 24" AFF UNLESS OTHERWISE NOTED. FLUORESCENT LIGHTING FIXTURE, 7" x 4' x 5.25" MAX HEIGHT VAPORLUME FIXTURE, (2) 28W T8 LAMPS, ALL NEW WALL MOUNTED ELECTRICAL DEVICES ARE TO BE INSTALLED FLUSH IN WALL UNLESS OTHERWISE NOTED. ALL ELECTRICAL (1)MULTI-VOLT O'F STARTING TEMP COLD WEATHER LINEAR FLUORESCENT BALLAST, FUSING, WHITE MOLDED FIBERGLASS REINFORCED POLYESTER BODY, HIGH IMPACT ACRYLIC MOLDED LENS, GASKET, LISTED FOR WET LOCATION, STAINLESS CONDUIT SHALL BE CONCEALED BEHIND FINISHED WALLS AND ABOVE FINISHED CEILING UNLESS OTHERWISE NOTED. THE COST TO STEEL MOUNTING BRACKETS, PAINT AFTER FABRICATION. MOUNT ON UNISTRUT SUPPORT SUSPENDED FROM CEILING AT CUT AND PATCH WALLS SHALL BE THE RESPONSIBILITY OF THE TRADE REQUIRING THE CUTTING. 20A-125V, HOSPITAL GRADE, GROUND FAULT INTERRUPTER TYPE RECEPTACLE INSTALLED IN WEATHERPROOF ENCLOSURE 12'-0" TO BOTTOM OF FIXTURE. CONNECT TO NORMAL CIRCUIT; "A" INDICATES TYPE, "3" INDICATES CIRCUIT NUMBER THAT MAINTAINS WET LOCATION RATING WHILE IN-USE. CONNECT TO NORMAL CIRCUIT. MOUNT AT 30" ABOVE ASSIGNMENT, "a" INDICATES LOCAL SWITCHING CONTROL. CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF CEILINGS REQUIRED FOR ELECTRICAL WORK. CONTRACTOR SHALL FINISHED ROOF SURFACE. SAME AS ABOVE, EXCEPT CONNECT TO EMERGENCY CRITICAL CIRCUIT. 4. PRIOR TO INSTALLATION, VERIFY PRECISE LOCATION OF NEW OR RELOCATED WALL OR CEILING MOUNTED DEVICES WITH DOUBLE 20A-125V, HOSPITAL GRADE, GROUNDED DUPLEX RECEPTACLE, MOUNT AT 24" AFF UNLESS OTHERWISE NOTED. ARCHITECTURAL ELEVATIONS AND REFLECTED CEILING PLANS. WALL PACK WITH CORROSION-RESISTANT ALUMINUM HOUSING, BLACK POWDER FINISH, UV STABILIZED POLYCARBONATE 5. COORDINATE ALL SHUT-DOWNS OF EXISTING ELECTRICAL SYSTEMS WITH OWNER A MINIMUM OF TEN WORKING DAYS IN ADVANCE. FRONT HOUSING, SPECULAR REFLECTOR, GASKETED SEAL, AND ONE (1) ELECTRONIC BALLAST. UL LISTED FOR WET ALL SHUT-DOWNS SHALL OCCUR DURING WEEKENDS OR UNOCCUPIED TIMES, INCLUDE ALL PREMIUM TIME CHARGES IN BID. 20A-125V, HOSPITAL GRADE, GROUND FAULT INTERRUPTER RECEPTACLE, MOUNT AT 24" AFF UNLESS OTHERWISE NOTED. LOCATION. MATCH EXISTING TYPE IN FIELD ADJACENT TO EXISTING COOLING TOWERS. 6. ALL NOISE GENERATING OPERATIONS, INCLUDING CUTTING OF CEILINGS, WALLS AND FLOORS, CORING, DRILLING, ETC. SHALL BE SCHEDULED ON WEEKENDS OR BETWEEN 8:00PM AND 7:00AM ON WEEKDAYS. INCLUDE ALL PREMIUM TIME CHARGES IN BID. WORK METAL HALIDE LIGHTING FIXTURE WITH (1)150W AMP, GLASS GLOBE WITH GUARD, DIE CAST ALUMINUM, WET LOCATION IN THE ENERGY CENTER MECHANICAL/ELECTRICAL SPACE IS EXEMPT FROM THIS RESTRICTION. LISTED, MOUNTING FROM COOLING TOWER PLATFORM FRAMING. MATCH EXISTING TYPE IN FIELD ADJACENT TO EXISTING SAME DEVICE TYPES AS INDICATED ABOVE EXCEPT CONNECTED TO EMERGENCY CRITICAL CIRCUIT. CONTRACTOR SHALL CONNECT ALL MECHANICAL EQUIPMENT COMPLETE PER MANUFACTURER'S WIRING DIAGRAMS AND INSTRUCTIONS. COORDINATE WITH MECHANICAL CONTRACTOR AND VERIFY LOCATION, VOLTAGE, AMPS, NO. OF WIRES, AND PROTECTION REQUIREMENTS EMERGENCY LIGHTING UNIT WITH (2)9W HEADS, VOLT & AMP METER, 277V INPUT AND MAINTENANCE FREE SEALED PRIOR TO ROUGH-IN. CONTACT ENGINEER WITH ANY DISCREPANCIES FROM DESIGN DRAWINGS. LEAD-CALCIUM BATTERY PACK RATED AT 117W AT 1-1/2 HOURS, FULL RECHARGE TIME OF 24HRS (MAX), POLARIZED SPECIAL RECEPTACLE TYPE - REFER TO DRAWINGS FOR CONFIGURATION REQUIREMENTS. MOUNT AT 18" AFF UNLESS BATTERY TERMINALS, 18 GAUGE DIE-FORMED STEEL HOUSING AND COVER, WHITE FINISH. UL 924, CSA CÉRTIFIED. OTHERWISE NOTED. CONNECT TO NORMAL CIRCUIT 8. PROVIDE LIQUID-TIGHT FLEXIBLE METAL CONDUIT FOR FINAL CONNECTION TO MECHANICAL EQUIPMENT OR OTHER EQUIPMENT WHICH PULL BOX - PROVIDE CODE SIZED PULLBOX. CONTRACTOR SHALL PROVIDE ALL CONTROL WIRING FOR MECHANICAL EQUIPMENT. LIGHTING SYSTEM - CONTROLS 10. COORDINATE LIGHTING FIXTURE TYPE (GRID OR FLANGE) WITH ACTUAL CEILING TYPE PRIOR TO ORDERING FIXTURES. CONTACT ENGINEER IF QUESTIONS SHOULD ARISE CONCERNING CEILING TYPES. 11. VERIFY LIGHTING CIRCUIT VOLTAGE (277V-10 OR 120V-10) PRIOR TO ORDERING LIGHTING FIXTURES OR STARTING ROUGH-IN OF 20A-1P-120/277V WALL SWITCH MOUNTED AT 48" AFF UNLESS OTHERWISE NOTED. WIRING TERMINATIONS BRANCH CIRCUITS. IMMEDIATELY CONTACT ENGINEER WITH ANY DISCREPANCIES. CONTRACTOR IS RESPONSIBLE FOR ORDERING THE PROPER VOLTAGE FOR LIGHTING FIXTURES, REGARDLESS OF VOLTAGE SHOWN ON LIGHTING FIXTURE SCHEDULE. 20A-3WAY-120/277V WALL SWITCH MOUNTED AT 48" AFF UNLESS OTHERWISE NOTED. 12. ALL FLUORESCENT LAMPS THAT WILL NOT BE REUSED SHALL BE DISPOSED OF IN ACCORDANCE WITH EPA STANDARDS, AND WRITTEN ① ① JUNCTION BOX, CEILING OR WALL MOUNTED, 4" SQ. WITH GROUND LUG, UNLESS OTHERWISE NOTED. EVIDENCE OF PROPER DISPOSAL SHALL BE FURNISHED TO THE OWNER. 20A-4WAY-120/277V WALL SWITCH MOUNTED AT 48" AFF UNLESS OTHERWISE NOTED. 13. ALL NEW LINEAR FLUORESCENT LAMPS SHALL BE T8 TYPE MATCH EXISTING ENERGY CENTER COLOR TEMPERATURE - UNLESS JUNCTION BOX, ABOVE CEILING FOR CONNECTION TO 120V AUTOMATIC DOOR. CONTRACTOR SHALL CONNECT AUTOMATIC DOOR INCLUDING PUSH PAD OPERATORS PER MANUFACTURER'S INSTRUCTIONS TO 120V EMERGENCY LIFE \$P 20A-1P-120/277V WALL SWITCH WITH PILOT LIGHT MOUNTED AT 48" AFF UNLESS OTHERWISE NOTED. 14. ALL WORK SHALL BE PERFORMED IN STRICT CONFORMANCE WITH THE PHASING REQUIREMENTS OF THE PROJECT. ALL COSTS SAFETY CIRCUIT. GENERAL CONTRACTOR SHALL FURNISH AND INSTALL AUTOMATIC DOOR. ASSOCIATED WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE BID SUBMITTAL. 15. <u>DEFINITION:</u> "PROVIDE" — FURNISH, INSTALL AND CONNECT COMPLETE. JUNCTION BOX MOUNTED AT 48" AFF FOR CONNECTION TO AUTOMATIC DOOR PUSH PAD DEVICE. PROVIDE 3/4"C TO DOOR CONTROLLER WITH WIRING PER MANUFACTURER'S REQUIREMENTS. POWER DISTRIBUTION EQUIPMENT (FLOOR PLAN VIEW) **ABBREVIATIONS** MOTOR - NUMBER DENOTES HORSEPOWER ABOVE COUNTER AT 9" UNLESS OTHERWISE NOTED 208/120V-3Ø-4W PANELBOARD UNLESS OTHERWISE NOTED. MOUNT AT 78" AFF TO TOP OF PANEL. 480/277V-3Ø-4W PANELBOARD UNLESS OTHERWISE NOTED. MOUNT AT 78" AFF TO TOP OF PANEL. ABOVE FINISHED CEILING GENERAL PURPOSE, 3 PHASE DRY-TYPE TRANSFORMER - TYPE AS NOTED ON PLANS. FIRE ALARM SYSTEM LEGEND ADAPTIVE FREQUENCY DRIVE ABOVE FINISHED FLOOR FACP FIRE ALARM CONTROL PANEL (EXISTING 3030 NOTIFIER SYSTEM). FUSED DISCONNECT SWITCH - SIZE AND TYPE AS NOTED. PROVIDE CLASS RK1 FUSES UNLESS OTHERWISE NOTED. NEMA 1 ENCLOSURE UNLESS OTHERWISE NOTED. FIRE ALARM POWER SUPPLY EXTENDER - CONNECT TO 120V LIFE SAFETY CIRCUIT. SURFACE MOUNT AT 5'-0" AFF AUTOMATIC TRANSFER SWITCH TO TOP OF DEVICE. TRANSIENT VOLTAGE SURGE SUPPRESSION DEVICE - MOUNTED IN PANELBOARD/SWITCHBOARD. (MATCH EXISTING TYPE). BELOW COUNTER AT 18"AFF UNLESS OTHERWISE NOTED FIRE ALARM TERMINAL CABINET. BELOW FINISHED CEILING MANUAL FIRE ALARM MANUAL PULL STATION - MOUNT AT 48" AFF TO CENTERLINE OF DEVICE. CONTRACTING OFFICER/TECHNICAL REPRESENTATIVE FIRE ALARM AUDIBLE VISUAL SIGNAL DEVICE (ADA TYPE) MOUNTED 80" AFF UNLESS NOTED. WHITE HOUSING WITH RED ELECTRICAL CONTRACTOR MOTOR AND MOTOR CONTROLLERS (FLOOR PLAN VIEW) SUFFIX DENOTES: EQUIPMENT GROUND S - SPFAKER COMBINATION CIRCUIT BREAKER/MAGNETIC MOTOR STARTER (REFER TO SPECIFICATIONS 26291) AND MINIMUM NEMA D - FLASHING DOME LIGHT END OF LINE SIZE O CONTACTS AND NEMA 1 ENCLOSURE, UNLESS OTHERWISE NOTED. PROVIDE (2) AUX. CONTACTS, UNLESS C - COMBINATION SPEAKER WITH FLASHING DOME LIGHT OTHERWISE NOTED. ELECTRIC WATER COOLER SMOKE DETECTOR - ADDRESSABLE INTELLIGENT PHOTOELECTRIC TYPE - CEILING MOUNTED. GENERAL CONTRACTOR VARIABLE SPEED MOTOR CONTROLLER - (REFER TO SPECIFICATIONS SECTION 262911). GROUND FAULT CIRCUIT INTERRUPTER HEAT DETECTOR - ADDRESSABLE INTELLIGENT PHOTOELECTRIC TYPE - CEILING MOUNTED. ISOLATED GROUND 120V-10 OR 277V-10 (AS REQUIRED) MANUAL MOTOR STARTER WITH INTEGRAL OVERLOAD PROTECTION DUCT DETECTOR - ADDRESSABLE INTELLIGENT PHOTOELECTRIC DETECTOR, SAMPLING TUBES AND PROGRAMMABLE RELAY MECHANICAL CONTRACTOR BASE. PROVIDE DUCT DETECTOR TEST/RESET SWITCH $\$_{RT}$ WITH REMOTE INDICATOR LAMP FOR EACH DUCT DETECTOR. 120V-10 OR 277V-10 (AS REQUIRED) MOTOR STARTER COMPLETE WITH INTEGRAL OVERLOAD PROTECTION AND MAIN CIRCUIT BREAKER "HAND-OFF-AUTO" SELECTOR SWITCH. PNEUMATICALLY ACTUATED COMBINATION SMOKE/FIRE DAMPER - FURNISHED AND INSTALLED BY THE MC. EC SHALL MAIN LUGS ONLY PROVIDE (1) CONTROL MODULE AND (1) MONITOR MODULE 120V-10 OR 277V-10 (AS REQUIRED) LOCKABLE MANUAL SWITCH (NO THERMAL OVERLOADS). CONTROL MODULE - ADDRESSABLE RELAY FOR CONTROL OF SMOKE DAMPERS, ELEVATOR RECALL, MAGNETIC DOOR NATIONAL ELECTRICAL CODE HOLDERS, AUTOMATIC DOORS, ETC. NOT FUSED MONITOR MODULE - ADDRESSABLE SUPERVISED FOR MONITORING TAMPER SWITCH, FLOW SWITCH, DAMPER **BRANCH CIRCUIT WIRING** POSITION ETC. NORMALLY OPEN NOT IN CONTRACT TAMPER SWITCH - CONTRACTOR SHALL FURNISH AND INSTALL TAMPER SWITCH, MONITOR MODULE AND TEST SWITCH. NO. OF CCTS—— SURFACE MOUNTED IN CONDUIT TELECOMMUNICATIONS CONTRACTOR FLOW SWITCH - CONTRACTOR SHALL FURNISH AND INSTALL FLOW SWITCH, MONITOR MODULE AND TEST SWITCH. WIRE SIZE -BRANCH CIRCUIT HOME RUN TO PANEL - ARROWHEADS INDICATE CIRCUITS. WIRE INDICATED ARE GREEN (MIN. #12AWG) GROUND, SEPARATE NEUTRALS (SHARED NEUTRALS ARE NOT PERMITTED FOR BRANCH CIRCUITS) AND TEMPERATURE CONTROLS CONTRACTOR THREE HOT LEGS (A DIFFERENT PHASE FOR EACH CIRCUIT) MAXIMUM THREE CIRCUITS PER CONDUIT. TRANSIENT VOLTAGE SURGE SUPPRESSION 3/4" MINIMUM CONDUIT WITH WIRE SIZE INDICATED ON DRAWING ("XX" INDICATES AWG SIZE). ALL FIRE ALARM SYSTEM NOTES: POWER WIRING SHALL BE STRANDED COPPER CONDUCTORS WITH THHN/THWN INSULATION. PROVIDE VARIABLE SPEED DRIVER (MOTOR CONTROLLER) CONDUCTORS-SEPARATE EQUIPMENT GROUNDING CONDUCTOR (SAME SIZE AS PHASE AND NEUTRAL, UNLESS PROVIDE A 2-GANG MINIMUM SIZE BACKBOX FOR ALL OF THE ABOVE FIRE ALARM DEVICES. ALL FIRE ALARM SYSTEM OTHERWISE NOTED) FOR EACH CONDUIT. CONDUIT WIRE FILLS SHALL BE IN ACCORDANCE WITH LATEST CONDUCTORS SHALL BE INSTALLED IN 3/4" MINIMUM SIZE COMPLETE CONDUIT SYSTEM WITH COLOR CODED WIRING AS NEUTRALS-WEATHERPROOF ENCLOSURE - NEMA 4 TYPE NATIONAL ELECTRIC CODE. INDICATED ON SHOP DRAWINGS - MAINTAIN HOSPITAL COLOR CODING. ALL NETWORK AND NETWORK CABLES SHALL BE GROUND-"COMMUNICATION GRADE" TYPE CABLE. FURNISH, INSTALL AND CONNECT ALL FIRE ALARM DEVICES IN ACCORDANCE WITH EXISTING OUTLET, DEVICE, LIGHTING FIXTURE, CONDUIT, ETC. - TO REMAIN WIRING DIAGRAMS PREPARED BY SYSTEM VENDOR. EXISTING FIRE ALARM SYSTEM BY NOTIFIER. REFER TO SPECIFICATIONS SECTION 283100 FOR ELECTRICAL REQUIREMENTS. INDICATES EXISTING OUTLET, LIGHTING FIXTURE, CONDUIT, ETC - TO BE REMOVED. PROVIDE BLANK COVER FOR OUTLET AND MAINTAIN CIRCUIT CONTINUITY. NEW LOCATION OF EXISTING OUTLET, DEVICE, LIGHTING FIXTURE, ETC. **GENERAL LEGEND** TELECOMMUNICATIONS SYSTEM LEGEND EXISTING OUTLET, DEVICE, LIGHTING FIXTURE, ETC. - TO BE REPLACED WITH NEW OF SPECIFIED TYPE EXISTING OUTLET, DEVICE, LIGHTING FIXTURE, CONDUIT, ETC. - TO BE REMOVED COMPLETE- MAINTAIN CIRCUIT CONTINUITY TO CODED NOTE - "1" INDICATES NOTE NUMBER. ADJACENT OUTLETS, EXTEND CONDUIT AND WIRING AS REQUIRED. TELECOMMUNICATIONS OUTLET "TCO", PROVIDE THE FOLLOWING PER TCO EXISTING OUTLET, DEVICE, LIGHTING FIXTURE, ETC. - TO BE REMOVED AND REINSTALLED AT NEW LOCATION - EXTEND EQUIPMENT IDENTIFIER - "2" INDICATES EQUIPMENT NUMBER. - 6"SQ x 2.5" DEEP BOX WITH DUAL COVERPLATE. CONDUIT AND WIRING AS REQUIRED - PROVIDE 1"C-(3)CAT 6 CABLES FROM BOX TO VOICE/DATA PATCH PANELS. - ONE CAT6 SPLIT FOR TWO VOICE JACKS AND TWO CAT 6 FOR TWO DATA JACKS) VAMC VETERANS AFFAIRS MEDICAL CENTER MECHANICAL EQUIPMENT IDENTIFIER - PROVIDE (2)VOICE JACKS AND (2)DATA JACKS DETAIL REFERENCE - "1" INDICATES DETAIL NUMBER, "1-E01" INDICATED DRAWINGS NUMBER. WALL TYPE LEGEND INDICATES EXISTING CONSTRUCTION INDICATES DEMOLITION INDICATES NEW CONSTRUCTION FULLY SPRINKLERED one eighth inch = one foot 16 16 16 roject Title Drawing Title **CONSULTANTS: ARCHITECT: ELECTRICAL LEGEND CHILLER PLANT** 541-11-108 Office of **GENERATOR &** Building Number **Facilities** DISTRIBUTION UPGRADES FREDRICK, FREDRICK & HELLER DESIGN AND CONSTRUCTION DOCUMENTS AS Management ENGINEERS, INC. INSTRUMENTS OF SERVICE ARE GIVEN IN Drawing Number Approved: Project Director CONFIDENCE AND REMAIN THE PROPERTY OF 672 EAST ROYALTON ROAD **VAMC - WADE PARK** DESIGN AND THESE CONSTRUCTION DOCUMENTS BROADVIEW HTS., OHIO 44147 1-E1 TEL. (440) 546-9696 PROJECT NAMED HEREIN IS STRICTLY PROHIBITED WITHOUT THE EXPRESSED WRITTEN CONSENT OF Checked ||Drawn FAX: (440) 546-9699 13212 Shaker Square Suite 204 Cleveland, Ohio 44120 PERSPECTUS ARCHITECTURE. Department of INAL CD SUBMISSION - FOR CONSTRUCTION 04-06-12 04-06-2012 P. 216.752.1800 F.216.752.3833 MPL **JDM** Veterans Affairs Revisions: Date

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